

## CLAIMS

- 1           1.       A fire sprinkler discharge control device, comprising:  
2           at least one bladder adapted to fit between a support structure of a fire sprinkler and  
3           an exhaust port of a fire sprinkler for sealing the exhaust port of the fire sprinkler.
- 1           2.       The fire sprinkler discharge control device of claim 1, further comprising at  
2           least one valve coupled to the at least one bladder for controlling flow of a fluid into and  
3           out of the at least one bladder.
- 1           3.       The fire sprinkler discharge control device of claim 2, wherein the at least  
2           one valve is a presta valve.
- 1           4.       The fire sprinkler discharge control device of claim 2, wherein the at least  
2           one valve is coupled to the at least one bladder using a clamp.
- 1           5.       The fire sprinkler discharge control device of claim 1, wherein the at least  
2           one bladder comprises an inner bladder and an outer bladder.
- 1           6.       The fire sprinkler discharge control device of claim 5, wherein the inner  
2           bladder is impermeable to fluids.

1           7.     The fire sprinkler discharge control device of claim 6, wherein the inner  
2 bladder is comprised of latex.

1           8.     The fire sprinkler discharge control device of claim 5, wherein the outer  
2 bladder forms a wear resistant boundary comprised of latex.

1           9.     The fire sprinkler discharge control device of claim 5, further comprising at  
2 least one middle bladder positioned between the inner bladder and the outer bladder,  
3 wherein the at least one middle bladder provides structural support to the fire sprinkler  
4 discharge control device.

1           10.    The fire sprinkler discharge control device of claim 9, wherein the at least  
2 one middle bladder is comprised of polyester.

1           11.    The fire sprinkler discharge control device of claim 5, further comprising a  
2 wear resistant coating applied to an outer surface of the outer bladder.

1           12.    The fire sprinkler discharge control device of claim 1, further comprising an  
2 inner liner positioned inside the at least one bladder, wherein the inner liner is impermeable  
3 to fluids.

1           13.    A fire sprinkler discharge control device, comprising:

2 at least one outer bladder adapted to fit between a support structure and an exhaust  
3 port of a fire sprinkler;  
4 at least one inner bladder impermeable to fluids and positioned in the at least one  
5 outer bladder; and  
6 at least one valve coupled to the at least one bladder for controlling flow of a fluid  
7 into and out of the at least one bladder.

1 14. The fire sprinkler discharge control device of claim 13, wherein the inner  
2 bladder is comprised of latex.

1 15. The fire sprinkler discharge control device of claim 13, wherein the outer  
2 bladder forms a wear resistant boundary comprised of latex.

1 16. The fire sprinkler discharge control device of claim 13, further comprising at  
2 least one middle bladder positioned between the inner bladder and the outer bladder,  
3 wherein the at least one middle bladder provides structural support to the fire sprinkler  
4 discharge control device.

1 17. The fire sprinkler discharge control device of claim 16, wherein the at least  
2 one middle bladder is comprised of polyester.

1 18. The fire sprinkler discharge control device of claim 13, wherein the at least  
2 one valve is a presta valve.

1           19.    The fire sprinkler discharge control device of claim 13, wherein the at least  
2 one valve is coupled to the at least one bladder using a clamp.

1           20.    The fire sprinkler discharge control device of claim 13, further comprising a  
2 wear resistant coating applied to an outer surface of the outer bladder.

1           21.    A method of controlling discharge of fluids from a fire sprinkler, comprising:  
2           inflating a fire sprinkler discharge control device positioned proximate to an exhaust  
3 port of a fire sprinkler so that at least a portion of at least one bladder forming the fire  
4 sprinkler discharge control device contacts the exhaust port and prevents at least a  
5 substantial portion of the fluids from being discharged from the exhaust port of the fire  
6 sprinkler.

1           22.    The method of claim 21, further comprising positioning the fire sprinkler  
2 discharge device between a support structure of the fire sprinkler discharge device and the  
3 exhaust port.

1           23.    The method of claim 21, wherein positioning the fire sprinkler discharge  
2 device between a support structure of the fire sprinkler discharge device and the exhaust  
3 port further comprises using an applicator to assist in positioning the fire sprinkler  
4 discharge device.

1           24.    The method of claim 21, wherein inflating a fire sprinkler discharge control  
2   device comprises injecting a gas into the device from a compressed gas source.

1           25.    The method of claim 24, further comprises releasably attaching a fitting to a  
2   valve attached to the fire sprinkler discharge control device.